



King County

Department of Natural Resources and Parks
Wastewater Treatment Division
201 S. Jackson St., KSC-NR-0505
Seattle, WA 98104-3855

CARNATION WASTEWATER TREATMENT FACILITY

National Environmental Policy Act Environmental Assessment and Finding of No Significant Impact Available for Public Review

COMMENT PERIOD ENDS OCT. 22, 2005

The information in this newsletter is available on request in accessible formats by calling 206-296-8361 or 711 (TTY).

Progress continues on developing wetland enhancement discharge at Chinook Bend Natural Area for next phase of project

King County staff is continuing to work to make the wetlands enhancement discharge happen as soon as possible after the Carnation treatment plant begins operations. After King County considered several feasible wetland enhancement alternatives in the area, the Chinook Bend Natural Area has emerged as the currently preferred wetland enhancement location. Other options included evaluating the city property where the treatment plant will be located next to Tolt MacDonald Park.



The Stillwater Wildlife Area was eliminated because the cost of pipe to deliver the water there made it too expensive.

For the Chinook Bend Natural Area, we are involved in fundraising, negotiating with landowners and other partners, developing a preliminary design concept, and coming up with a management plan for the site.

The county is partnering with Ducks Unlimited, which will provide additional expertise and in-kind support to make the wetland happen. The county and Ducks Unlimited have been actively involved in fundraising and have received their first grant from the King Conservation District to do a topographical survey, analyze soils and begin permitting for the Chinook Bend Natural Area. Notification on a North American Wetland Conservation Act grant, which was ranked highly, is expected later this month.

For more information on Chinook Bend Natural Area, please go to <http://dnr.metrokc.gov/wlr/LANDS/natural/chinook-bend.htm>.

clean water—a sound investment.



City of Carnation



King County

CARNATION WASTEWATER TREATMENT FACILITY PROJECT UPDATE

September 2005

National Environmental Policy Act Environmental Assessment and Finding of No Significant Impact Available for Public Review

The U.S. Environmental Protection Agency (EPA) will pay for part of the Carnation wastewater treatment facilities project with federal funds. As a recipient of federal grant funds, the project is subject to National Environmental Policy Act (NEPA) review (40 CFR Part 6).

EPA has prepared an Environmental Assessment (EA) evaluating the impacts of the proposed project on the environment. EPA has determined and issued a Finding of No Significant Impact (FONSI) for the proposed project. The EA and FONSI document predicted the proposed project would not have a significant impact on the environment.

Copies of the FONSI and EA are available for review at Carnation City Hall and the following libraries:

- Carnation Public Library, 4804 Tolt Ave.
- Duvall Public Library, 15619 N.E. Main St.
- Fall City Public Library, 33415 S.E. 42nd Place
- Bellevue Public Library, 1111 110th Ave. N.E.

They can also be obtained from the King County Wastewater Treatment Division by calling Steve Tolzman, environmental planner, at 206-263-6185 or by calling King County's Carnation Wastewater Treatment Plant Project Information Line at 206-263-5212 or toll-free at 1-800-325-6165, ext. 35212.

You can also check the project Web site at <http://dnr.metrokc.gov/WTDCarnation/>.

Comments supporting or disagreeing with the findings of the EA and FONSI should be sent by Oct. 22, 2005, to Hanh Shaw, NEPA Compliance Coordinator, EPA Region 10 (OWW-130), 1200 Sixth Avenue, Seattle, WA 98101-3132.

What is the preferred action in the Environmental Assessment?

The City of Carnation has determined that replacing on-site septic systems with a wastewater treatment facility is important to dealing with public health concerns, achieving the city's comprehensive plan goals, and maintaining and enhancing community livability. The city contracted with King County to design, build and operate the treatment facility to serve Carnation's urban growth area.

The preferred action alternative consists of a vacuum sewer collection system in Carnation, a wastewater treatment plant, and a conveyance pipeline for discharge of highly treated effluent into the Snoqualmie River.

The vacuum sewer system would consist of a network of buried pipelines to serve as the collection system within the city. One combination vacuum station/pump station would be built next to the treatment plant site and serve as the vacuum source for the entire collection system.

The treatment plant would be located within the city limits, west of the business district at the end of Entwistle Street. The plant would provide initial treatment capacity for an average annual capacity of 210,000 gallons

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per day (gpd). The plant would be designed so that its average annual capacity could be increased to about 370,000 gpd to meet the needs of the service area when it is fully developed.

The plant would consist of a three-stage process: fine screening, biological treatment with membrane bioreactors (MBRs) technology, and disinfection with ultraviolet light. The plant is designed with the flexibility to easily add grit removal if it is required in the future. The use of membrane technology at the facility would produce high quality water, so the County can meet or exceed all applicable standards.

Treated water produced at the plant would be conveyed in a pipeline to the outfall discharge location in the Snoqualmie River at the Carnation Farm Road Bridge (about 1.6 miles north of Carnation). The water would be discharged through a diffuser at the end of the 8-inch ductile-iron pipe that would extend from the northeast side of the Carnation Farm Road Bridge to the northwest bridge support pier.

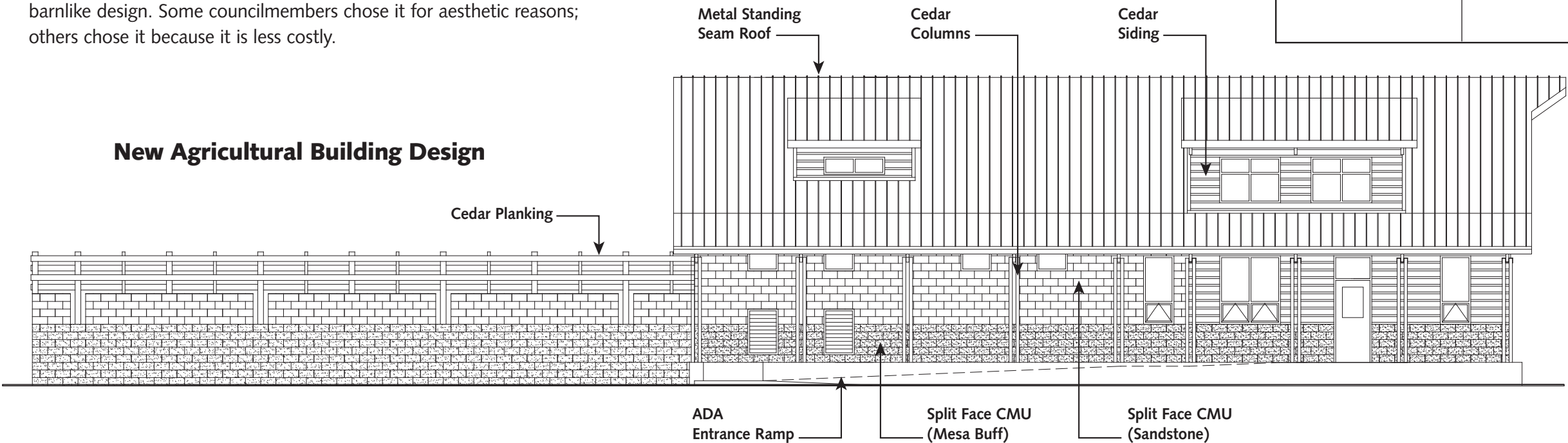
Agricultural design adopted for treatment plant

At the public meeting on May 4, the project architect presented a preliminary design for the treatment plant. A lively discussion on possible design options took place. Not wanting this level of interest to go untapped, citizens were invited to take part in a session with the architect to further explore design options for the facility. During the meeting in late May, an alternative barnlike design was developed.

Both the original design and the barnlike design were presented to the City Council on June 14. The council recommended that King County go ahead with the agrarian or barnlike design. Some councilmembers chose it for aesthetic reasons; others chose it because it is less costly.



New Agricultural Building Design



Permitting of treatment plant and river outfall under way

As we move through the design phase of the project, King County will need to get the necessary permits and approvals from federal, state and local agencies. The permitting process ensures an objective third-party review.

King County is now working to get permits for the treatment plant, conveyance pipeline and river outfall. The county is still pursuing the wetland enhancement discharge alternative as a second phase. During this second phase, additional environmental review and permits will be obtained for the wetland enhancement discharge alternative.

Many of the permits have public involvement opportunities. After King County submits permit applications, a public comment period takes place. More details are available on the respective agencies' Web sites (see chart below).

Because the Stossel Bridge on Carnation Farm Road, is listed as a historic landmark, the King County Landmark Commission had to approve attaching the 8-inch diameter conveyance pipe and outfall to the bridge. This approval was received August 2005, with the Design Review Committee to comment on the final pipe and pipe support design.

King County has submitted an application to the state Department of Natural Resources for a dual-purpose easement (to cross the Snoqualmie River on the bridge, and for the outfall).

The project has also applied for a clearing and grading permit for conveyance pipeline construction in unincorporated King County with the King County Department of Development and Environmental Services.

In addition, King County is working with the Snoqualmie Tribe to develop an agreement to protect cultural resources. We are working with resource agencies, including the state Department of Fish and Wildlife, U.S. Fish and Wildlife Service, and National Marine Fisheries Service of the National Oceanic and Atmospheric Administration to get necessary approvals to comply with the Endangered Species Act.

Both King County and the City of Carnation will work closely with the community, particularly directly

Agency	Permit	Contact information
Washington State Department of Ecology	National Pollution Discharge Elimination System (NPDES) construction permit NPDES discharge permit	Ecology, Northwest Regional Office www.ecy.wa.gov
King County	Shoreline substantial development permit	Department of Development and Environmental Services www.metrokc.gov/ddes

affected property owners and residents, to deal with potential construction impacts. We will follow the terms of our permits, which will likely require us to develop traffic control plans, limit work hours, control dust and noise, and finish work as quickly and safely as possible.

During construction, we will provide advance notice of construction and frequent updates. We will also work to resolve any problems that may arise.